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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/660,553	09/12/2000	Gregory L. Slaughter	5181-65400	6819

7590 03/11/2004  
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EXAMINER

LIM, KRISNA

ART UNIT PAPER NUMBER

2153

DATE MAILED: 03/11/2004

12

Please find below and/or attached an Office communication concerning this application or proceeding.

12

## Office Action Summary

Application No.

09/660,553

Applicant(s)

SLAUGHTER ET AL.

Examiner

Krisna Lim

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-45 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-45 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

1. Claims 1-45 are presented for examination.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1-45 are rejected under 35 U.S.C. § 102(e) as being anticipated by Robert et al. [U.S. Patent No. 6,560,633].

4. Robert et al. anticipated (e.g., see Figs. 1-17, col. 3 (line 56) to col. 4 (line 59)) the invention substantially as claimed. Taking claim 1 as an exemplary claim, the reference disclosed a method comprising:

a) a first client (a user or web service consumers) sending a first message to a first service (a web services directory) to invoke one or more functions (access control,

operations of web services) of the first service, wherein a schema for the first service specifies a plurality of message usable to invoke the functions of the first service, and wherein the first message is specified by the schema (schemas, col. 4 (lines 12-33), XML schemas that define the type of data that is supported in the parameters, col. 7, lines 1-32);

b) the first service generating a set of result in response to the first message, wherein the set of the results are expressed in data representation language (e.g., see col. 6 (line 66) to col. 7 (line 32));

c) storing the set of results in space without returning the set of result directly to the first client, wherein the space comprises a network-addressable storage location (e.g., when a requester wants to run a WSA, he generates an HTTP request to run a special type of web service called a “model-based” web service. These web services have the responsibility of maintaining the runtime model for corresponding to WSA’s, col. 5, line 17-64).

5. As to claim 2, Robert et al. anticipated the step of sending to the first client an event to notify the first client that the space stores the set of result (e.g., see col. 5, line 17-64).

6. As to claim 3, Robert et al. anticipated the step of the first client reading the set of results from the space in response to the event (e.g., see col. 4 (lines 12-50), col. 6 (line 66) to col. 7 (line 32)).

Art Unit: 2153

7. As to claim 4, Robert et al. anticipated the step of the first client sending a second message to the first service, wherein the second message comprising a request to pass location of the set of result to the second service (e.g., see col. 4 (lines 12-50)); and the second service reading the set of results from the location (e.g., col. 6 (line 66) to col. 7 (line 32)).

7. As to claim 5, Robert et al. anticipated the step of the second client reading the set of results from the space (e.g., see col. 4 (lines 12-50), col. 6 (line 66) to col. 7 (line 32)).

8. As to claim 6, Robert et al. anticipated the data representation language comprises XML (e.g., see col. 4, lines 1-11)., and the use of URI for the set of result (e.g., web service consumers can gain all information about a set of services by the use of URL, see col. 5 (lines 17-64) and col. 13 (lines 25-67)).

9. Claims 7-45 are similar in scope as of claims 1-6, and therefore claims 7-45 are rejected for the same reasons set forth above for claims 1-6.

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The references are cited in the Form PTO-892 for the applicant's review.

Art Unit: 2153

A shortened statutory period for response to this action is set to expire 3 (three) months and 0 (zero) days from the mail date of this letter. Failure to respond within the period for response will result in **ABANDONMENT** of the application (see 35 U.S.C 133, M.P.E.P 710.02, 710.02(b)).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Krisna Lim whose telephone number is (703) 305-9672. The examiner can normally be reached on Monday-Friday from 7:30 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Glenton Burgess, can be reached at (703) 305-4772. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306

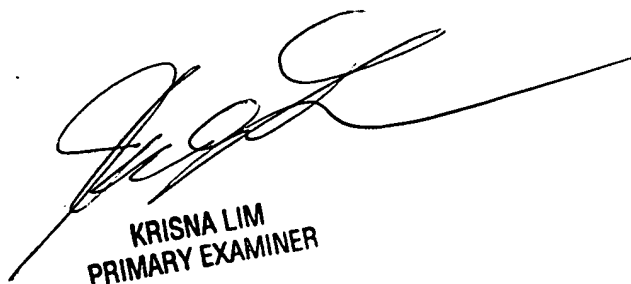
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-9700

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [glen.burgess@uspto.gov].

All Internet e-mail communication will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirement of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Office Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

kl

March 7, 2004



KRISNA LIM  
PRIMARY EXAMINER